

DENBIGHSHIRE COUNTY COUNCIL.

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# ANNUAL REPORT

on the

# Health of Denbighshire

for the

YEAR 1945

by

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M.Sc., M.B., Ch.B., D.P.H.,

County Medical Officer.

16 Grosvenor Road,

Wrexham.

September, 1946.



## **PREFACE.**

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**To the Chairman and Members of the County Public Health,  
Housing and Public Assistance Committee.**

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Mr. Chairman, Ladies and Gentlemen,

### **Annual Report, 1945.**

I have the honour of presenting to you my Annual Report on the Health of the County for the year 1945.

The general death rate for the year was 13.4 as compared with 12.3 in 1944, and the birth rate was 16.2 as compared with 17.5 in 1944.

### **Maternal Mortality.**

During the year there were 7 maternal deaths making a mortality rate of 2.5 per 1000 live and still births as against a rate of 1.0 in 1944. Of these 1 was due to puerperal sepsis and 6 due to other puerperal causes.

### **Infant Mortality.**

There was an increase in the infant mortality rate during the year, 60.6 as against 44.2 in 1944. The increase was due mainly to deaths from respiratory diseases. Investigation is made into the cause of all infant deaths in the various districts.

### **Diphtheria.**

There were 86 diphtheria notifications during the year and 1 death. These figures are the lowest yet recorded in the County. Everything possible is being done to increase the number of immunisations which in most districts has exceeded 90 per cent.

I take this opportunity to express my thanks to the Chairman and Members of the Health Committee for their help and interest in the work of the Department, and also I desire to express my indebtedness to the Clerk of the County Council for his valuable assistance and advice.

In conclusion I have to acknowledge the loyal services rendered by my Staff, Medical, Dental, Nursing and Clerical.

I have the honour to remain,

Your obedient Servant,

H. ARWEL THOMAS,

County Medical Officer.

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1945.

| Districts        | Estimated Population | No. of Births. | Birth-rate. | No. of Infant Deaths | Infant Mortality. | No. of Deaths | Death Rate |
|------------------|----------------------|----------------|-------------|----------------------|-------------------|---------------|------------|
| <b>Urban.</b>    |                      |                |             |                      |                   |               |            |
| Abergele .....   | 7086                 | 109            | 15.4        | 6                    | 55.0              | 109           | 15.4       |
| Colwyn Bay ..... | 23840                | 256            | 10.8        | 13                   | 50.7              | 371           | 11.3       |
| Denbigh .....    | 8384                 | 88             | 10.4        | 4                    | 45.4              | 99            | 11.8       |
| Llangollen ..    | 3092                 | 44             | 14.2        | 1                    | 22.7              | 44            | 14.2       |
| Llanrwst .....   | 2592                 | 34             | 13.1        | —                    | —                 | 38            | 14.7       |
| Ruthin .....     | 3526                 | 35             | 9.9         | 1                    | 28.5              | 39            | 11.1       |
| Wrexham ....     | 25670                | 513            | 19.9        | 38                   | 74.0              | 337           | 13.1       |
| Total Urban      | 74190                | 1079           | 14.5        | 63                   | 58.3              | 1037          | 14.0       |
| <b>Rural.</b>    |                      |                |             |                      |                   |               |            |
| Aled .....       | 6657                 | 100            | 15.0        | 1                    | 10.0              | 74            | 11.1       |
| Ceiriog .....    | 6834                 | 110            | 16.0        | 10                   | 90.9              | 109           | 15.9       |
| Hirathog ...     | 5233                 | 77             | 14.7        | 4                    | 51.9              | 84            | 16.0       |
| Ruthin .....     | 9746                 | 143            | 14.6        | 11                   | 76.9              | 122           | 12.5       |
| Wrexham ....     | 59730                | 1127           | 18.8        | 71                   | 62.9              | 742           | 12.4       |
| Total Rural      | 88200                | 1557           | 17.6        | 97                   | 62.2              | 1131          | 12.8       |
| Total County     | 162390               | 2636           | 16.2        | 160                  | 60.6              | 2168          | 13.4       |

## STATISTICS.

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| Live Births:—   | Males  | Females   | Total |
|---|--------|---|-------|
| Legitimate .....  | 1213   | 1122  | 2335  |
| Illegitimate .....  | 172    | 129   | 301   |
| Birth-rate per 1000 of the<br>estimated population .....    |        | 16·2  |       |
| Still-births .....  | 50     | 41  | 91    |
| Rate per 1000 (live and still-<br>births) .....             |        | 33·3  |       |
| Deaths .....  | 1036   | 1132  | 2168  |
| Rate per 1000 of the estimated<br>resident population ..... |        | 13·4  |       |
|   |        | Rate per 1000<br>total live and<br>still-births |       |
| Deaths from Puerperal Causes:                               | Deaths |   |       |
| Puerperal and Post. Abort.                                  |        |   |       |
| Sepsis .....  | 1      |   | 0·3   |
| Other Maternity Causes ...                                  | 6      |   | 2·2   |
| Death-rate of infants under one<br>year:                    |        |   |       |
| All infants per 1000 live<br>births .....                   | 160    |   | 60·6  |
| Legitimate infants per 1000<br>legitimate births .....      | 130    |   | 55·6  |
| Illegitimate infants per 1000<br>illegitimate births .....  | 30     |   | 96·7  |

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## RATES FOR ENGLAND AND WALES.

The Registrar-General furnishes the following rates for England and Wales:—

|                        |      |
|------------------------|------|
| Birth-rate .....       | 16·1 |
| Death-rate .....       | 11·4 |
| Infant Mortality ..... | 46·0 |

## Diphtheria Immunisation.

All children have an initial injection of 0.2 c.c. A.P.T. and a second injection of 0.5 c.c. after a period of 4 weeks. It has been found that immunity tends to disappear after a period of 5 years, but it is readily restored by a further injection. During the year 116 children received a third injection.

The total number of children immunised in the County during the year was:—

|                          |       |
|--------------------------|-------|
| 1-5 years .....          | 1968  |
| Between 5-15 years ..... | 1791  |
|                          | <hr/> |
|                          | 3759  |
|                          | <hr/> |

The following table shows the percentages of children immunised in the several sanitary districts up to date:—

| URBAN DISTRICTS.     | Children<br>1-5 years | Children<br>5-15 years |
|----------------------|-----------------------|------------------------|
| Abergele .....       | 85.0%                 | 94.0%                  |
| Colwyn Bay .....     | 95.0%                 | 94.0%                  |
| Denbigh .....        | 87.1%                 | 97.7%                  |
| Llangollen .....     | 98.2%                 | 96.0%                  |
| Llanrwst .....       | 99.0%                 | 97.8%                  |
| Ruthin .....         | 85.6%                 | 99.2%                  |
| Wrexham .....        | 52.3%                 | 90.6%                  |
| <br>RURAL DISTRICTS. |                       |                        |
| Aled .....           | 99.0%                 | 75.1%                  |
| Ceiriog .....        | 82.0%                 | 95.1%                  |
| Hiraethog .....      | 86.8%                 | 90.2%                  |
| Ruthin .....         | 99.7%                 | 99.9%                  |
| Wrexham .....        | 97.1%                 | 95.5%                  |

## Infant Deaths.

From Table II, it will be seen that Premature Births and Congenital Malformations are the two chief causes of Infant Deaths. During the year there was an increase in the number of deaths from Pneumonia, viz., 29, as compared with 10 in 1944.

## Premature Births.

|   |    |
|---|----|
| No. of babies notified during 1945 who<br>weighed 5½ lbs. or less ..... | 90 |
| No. of deaths .....   | 23 |

Due to lack of proper maternity accommodation, it has not been possible to improve or adapt existing accommodation for premature infants. A portable incubator is available at Ruabon County Maternity Hospital and this has been used to remove premature infants from unsatisfactory home surroundings to the hospital. When new maternity accommodation is secured, the matter of premature infants has to be kept in mind.

**TABLE II. Causes of Infant Deaths, 1945.**

| DISEASE.                           | Districts |         |       |         |
|------------------------------------|-----------|---------|-------|---------|
|                                    | Urban     |         | Rural |         |
|                                    | Males     | Females | Males | Females |
| Measles .....                      | 1         | —       | —     | 1       |
| Cerebro-Spinal Fever .....         | 2         | —       | —     | —       |
| Other forms of T.B. ....           | 1         | —       | 1     | —       |
| Bronchitis .....                   | 3         | —       | 6     | 2       |
| Pneumonia .....                    | 4         | 5       | 8     | 12      |
| Diarrhoea .....                    | 2         | 3       | 6     | 1       |
| Other digestive diseases .....     | —         | —       | 1     | 1       |
| Premature Birth .....              | 10        | 4       | 11    | 13      |
| Cong. Mal. Birth. Inj. Inf. Dis. . | 16        | 5       | 16    | 10      |
| Other violent causes .....         | 2         | 1       | 1     | 1       |
| All other causes .....             | 4         | —       | 5     | 1       |
| Totals .....                       | 45        | 18      | 55    | 42      |

**TABLE III. Maternal Mortality.**

|                                      | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| County Maternal Mortality Rate ..... | 4.4  | 3.7  | 2.07 | 3.4  | 4.0  | 3.5  | 4.8  | 3.2  | 2.3  | 1.0  | 2.5  |
| Puerperal Sepsis .....               | 5    | 2    | —    | 1    | 3    | 3    | 3    | 4    | 2    | —    | 1    |
| Other Puerperal causes .....         | 6    | 7    | 5    | 7    | 6    | 6    | 10   | 5    | 3    | 3    | 6    |
| Total .....                          | 11   | 9    | 5    | 8    | 9    | 9    | 13   | 9    | 5    | 3    | 7    |



# INFECTIOUS DISEASES.

## TABLE IV. (a).

The following table furnishes particulars respecting the notifications received during 1945, and for comparative purposes the nine preceding years are shewn:—

| Disease   | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|---|------|------|------|------|------|------|------|------|------|------|
| Diphtheria .....  | 586  | 750  | 405  | 276  | 407  | 396  | 318  | 174  | 186  | 86   |
| Erysipelas .....  | 63   | 53   | 70   | 347  | 71   | 55   | 67   | 62   | 34   | 42   |
| Scarlet Fever .....                                     | 586  | 324  | 295  | 20   | 317  | 246  | 227  | 275  | 294  | 276  |
| Enteric Fever (including Typhoid and Paratyphoid) ..... | 3    | 6    | 1    | 4    | 16   | 16   | 8    | 7    | 6    | 7    |
| Puerperal Fever .....                                   | 11   | 5    | 34   | ...  | ...  | ...  | ...  | ...  | ...  | ...  |
| Puerperal Pyrexia .....                                 | 17   | 25   | 34   | 24   | 12   | 22   | 19   | 15   | 5    | 15   |
| Cerebro-spinal Fever .....                              | ...  | ...  | ...  | 11   | 192  | 83   | 32   | 13   | 9    | 9    |
| Acute Poliomyelitis .....                               | 1    | ...  | 1    | 1    | 6    | ...  | 2    | 1    | 7    | 3    |
| Ophthalmia Neonatorum .....                             | 20   | 12   | 15   | 11   | 12   | 5    | 2    | 1    | 4    | 3    |
| Pulmonary Tuberculosis .....                            | 197  | 195  | 210  | 180  | 218  | 210  | 176  | 209  | 221  | 212  |
| Other Forms of Tuberculosis .....                       | 82   | 63   | 84   | 53   | 72   | 64   | 82   | 68   | 59   | 37   |
| Pneumonia .....   | 138  | 183  | 160  | 180  | 341  | 278  | 200  | 195  | 149  | 167  |
| Encephalitis Lethargica .....                           | ...  | 2    | ...  | 1    | 1    | 4    | 3    | ...  | ...  | ...  |
| Acute Polio-encephalitis .....                          | ...  | ...  | 2    | ...  | ...  | 2    | 1    | ...  | ...  | ...  |
| Dysentery .....   | 9    | ...  | ...  | 71   | 119  | 22   | 60   | 36   | 60   | 49   |
| Measles (excl. German Measles) ..                       | ...  | ...  | ...  | ...  | 2373 | 1390 | 888  | 1403 | 154  | 2252 |
| Malaria .....   | ...  | 1    | ...  | 30   | ...  | ...  | ...  | ...  | ...  | ...  |
| Whooping Cough .....                                    | ...  | ...  | ...  | ...  | 394  | 746  | 272  | 198  | 429  | 175  |
| Chickenpox .....  | ...  | ...  | ...  | ...  | ...  | ...  | 6    | ...  | 8    | ...  |
| Totals .....  | 1713 | 1619 | 1277 | 1209 | 4551 | 3539 | 2363 | 2657 | 1625 | 3333 |

TABLE IV. (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

| District.              | Pneumonia. | Scarlet Fever. | Ophthalmia Neonatorum. | Erysipelas. | Cerebro-Spinal Fever. | Diphtheria. | Puerperal Pyrexia. | Measles. | Acute Polio-Myelitis. | Dysentery. | Whooping Cough. | Ent. Fev. (Typh. & Paratyphoid) | Pulmonary Tuberculosis. | Other Forms of Tuberculosis |
|------------------------|------------|----------------|------------------------|-------------|-----------------------|-------------|--------------------|----------|-----------------------|------------|-----------------|---------------------------------|-------------------------|-----------------------------|
| Abergele .....         | 7          | 22             | 1                      | 15          | 1                     | 1           | —                  | 240      | —                     | —          | 30              | 1                               | 5                       | 1                           |
| Aled .....             | 3          | 4              | —                      | 5           | 1                     | 8           | —                  | 74       | —                     | 4          | 6               | 5                               | 6                       | 1                           |
| Ceirlog .....          | 2          | 12             | —                      | —           | —                     | 1           | —                  | 16       | —                     | —          | 7               | 1                               | 3                       | 1                           |
| Colwyn Bay .....       | 13         | 21             | 2                      | 4           | 1                     | 4           | 5                  | 144      | 1                     | 33         | 6               | —                               | 25                      | 1                           |
| Denbigh .....          | 7          | 4              | —                      | 2           | —                     | 1           | —                  | 139      | —                     | 5          | 2               | —                               | 13                      | 2                           |
| Hiraethog .....        | —          | 1              | —                      | 1           | —                     | 3           | 1                  | 53       | —                     | —          | —               | —                               | 3                       | 2                           |
| Llangollen Urban ..... | —          | 4              | —                      | —           | —                     | —           | —                  | 35       | —                     | —          | —               | —                               | 4                       | 2                           |
| Llanrwst Urban .....   | —          | —              | —                      | —           | —                     | —           | —                  | 1        | —                     | 1          | —               | —                               | 8                       | —                           |
| Ruthin Borough .....   | 8          | 2              | —                      | —           | 1                     | 10          | —                  | 59       | —                     | 1          | —               | —                               | 9                       | —                           |
| Ruthin Rural .....     | 8          | 19             | —                      | —           | —                     | 2           | —                  | 137      | —                     | 4          | 34              | —                               | 18                      | —                           |
| Wrexham Borough .....  | 60         | 42             | —                      | 2           | 3                     | 19          | 8                  | 402      | —                     | 1          | 55              | —                               | 48                      | 12                          |
| Wrexham Rural .....    | 59         | 145            | —                      | 12          | 1                     | 37          | 1                  | 952      | 1                     | —          | 35              | —                               | 67                      | 14                          |
| Totals .....           | 167        | 276            | 3                      | 42          | 8                     | 86          | 15                 | 2252     | 2                     | 49         | 175             | 7                               | 212                     | 37                          |

## INFECTIOUS DISEASES.

**Scarlet Fever.**—The number of notifications during the year was 276 as compared with 294 in 1944. There were no deaths from Scarlet Fever during 1945.

**Diphtheria.**—86 cases were notified in 1945 as compared with 186 cases in 1944. During the year there was one death as compared with five deaths in 1944.

**Measles and Whooping Cough.**—There were 2,252 cases of Measles and 175 cases of Whooping Cough notified during the year as compared with 154 and 429 in the previous year. Deaths due to Measles and Whooping Cough during the year were 4 and 1 respectively.

**Tuberculosis.**—72 deaths from Pulmonary Tuberculosis occurred during the year as compared with 73 in 1944. There were 14 deaths registered from Non-Pulmonary Tuberculosis as compared with 13 in the previous year.

The following table gives the number of cases on the County Tuberculosis Register for each year since 1934. The table also shows the number of deaths for each year:—

## TUBERCULOSIS.

Number of Cases on the County Tuberculosis Register for the years 1934-1945.

| Year | No. on Register |           |       | Deaths |           |       | Death Rate per Million of Population |                |
|------|-----------------|-----------|-------|--------|-----------|-------|--------------------------------------|----------------|
|      | Pulm.           | Non-Pulm. | Total | Pulm.  | Non-Pulm. | Total | County of Denbigh                    | Wales and Mon. |
|      |                 |           |       |        |           |       |                                      |                |
| 1934 | 1138            | 470       | 1608  | 90     | 27        | 117   | 746.6                                | 913            |
| 1935 | 1138            | 496       | 1644  | 100    | 19        | 119   | 760.8                                | 925            |
| 1936 | 1158            | 499       | 1657  | 88     | 21        | 109   | 693.8                                | 861            |
| 1937 | 1199            | 531       | 1730  | 94     | 14        | 108   | 688.1                                | 881            |
| 1938 | 1020            | 470       | 1490  | 79     | 15        | 94    | 599.9                                | 812            |
| 1939 | 986             | 453       | 1439  | 80     | 14        | 94    | 587.3                                | 759            |
| 1940 | 1089            | 494       | 1583  | 81     | 24        | 105   | 626.7                                | 796            |
| 1941 | 1109            | 527       | 1636  | 92     | 20        | 112   | 617.0                                | 794            |
| 1942 | 1189            | 578       | 1767  | 67     | 19        | 86    | 489.1                                | 750            |
| 1943 | 1344            | 631       | 1975  | 63     | 18        | 81    | 478.6                                | 751            |
| 1944 | 1478            | 672       | 2150  | 73     | 13        | 86    | 522.4                                | 715            |
| 1945 | 1593            | 692       | 2285  | 72     | 14        | 86    | 529.6                                | 718            |

It will be noted that the number of patients on the County Register continues to increase. In 1939 the number was 1,439 and in 1945 it was 2,285. There was, however, only a correspondingly slight increase in the death rate. In 1939 it was 587.3, and in 1945, 529.6 per million of the population as compared with 759 and 718 for the whole of Wales and Monmouthshire.

The increase in the number on the County Register was due to better and earlier notification of cases by the Medical Practitioners, and also to the better following up of contacts. It will be seen from the following table that Mass Radiography undertaken in the County had comparatively very little effect on the total number on the County Register.

**Mass Radiography—February, 1944, to April 30th, 1946.**

|   | Males | Females | Total |
|---|-------|---------|-------|
| Total examined .....                            | 2052  | 1926    | 3978  |
| Found abnormal .....                            | 30    | 29      | 59    |
| Found suffering from Pulmonary Tuberculosis ... | 6     | 6       | 12    |
| For observation .....                           | 6     | 15      | 21    |
| Non-Tuberculous Chest Conditions .....          | 18    | 8       | 26    |

Mass Radiography in the County is undertaken by the Welsh National Memorial Association Mass Radiography Unit. During the period February, 1944, to April, 1946, the unit visited the Monsanto Chemical Works, Acrefair, and several works in Counties bordering on Denbighshire.

**TABLE V.**

The following table gives the number of deaths from infectious diseases notified during the year, also for comparative purposes, the figures for five previous years:—

| Disease                        | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|--------------------------------|------|------|------|------|------|------|
| Typhoid and Paratyphoid .....  | —    | 1    | 2    | —    | —    | 2    |
| Measles .....                  | 3    | 4    | —    | 2    | 2    | 4    |
| Scarlet Fever .....            | 1    | —    | —    | 1    | —    | —    |
| Whooping Cough .....           | 5    | 13   | 7    | 1    | 4    | 1    |
| Diphtheria .....               | 21   | 13   | 13   | 5    | 5    | 1    |
| Encephalitis Lethargica .....  | 2    | —    | —    | —    | —    | —    |
| Cerebro-Spinal Fever .....     | 30   | 8    | 6    | 1    | 2    | 4    |
| Acute Polio-Encephalitis ..... | —    | 1    | 1    | 1    | 1    | —    |
| Acute Inf. Encephalitis .....  | —    | 1    | 1    | 1    | 1    | 2    |
| Tuberculosis, Pulmonary .....  | 81   | 92   | 67   | 63   | 73   | 72   |
| Tuberculosis, Non-Pulmonary .  | 24   | 20   | 19   | 18   | 13   | 14   |

**TABLE VI.**

The percentage of deaths at different age periods are given below :—

| Age Period           | Percentage of<br>Total Deaths |
|----------------------|-------------------------------|
| 0— 1 .....           | 7.3                           |
| 1— 5 .....           | 1.2                           |
| 5—15 .....           | 1.1                           |
| 15—45 .....          | 8.5                           |
| 45—65 .....          | 23.1                          |
| 65 and upwards ..... | 58.7                          |

### **LABORATORY FACILITIES.**

The Laboratories undertaking a variety of examinations for the County are :—

The Pathological Laboratory, Emergency Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

University College of North Wales, Bangor.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

### **Food and Drugs Acts.**

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

## AMBULANCE SERVICES.

The following are reports received from the various Ambulances rendering services in the County:—

### Wrexham Division.

|  |       |
|--|-------|
| Number of cases carried .....                      | 3891  |
| Number of road accidents .....                     | 79    |
| Total number of cases .....                        | 3970  |
| Total mileage .....                                | 26881 |
| Number of cases where first aid was rendered ...   | 130   |
| Attendances at functions number .....              | 584   |
| Total hours of duty given voluntarily by men ..... | 14527 |

### Colwyn Bay.

|                                     |       |
|-------------------------------------|-------|
| Accidents .....                     | 43    |
| Admissions to Hospital .....        | 179   |
| Admission to Nursing Home .....     | 78    |
| Transport from house to house ..... | 86    |
| Transport out of district .....     | 110   |
| Total mileage .....                 | 12942 |
| Ambulance case hours .....          | 955   |
| Personnel case hours .....          | 3820  |
| Total cases .....                   | 496   |

### Rhosllanerchrugog.

|   |       |
|---|-------|
| Patients conveyed by ambulance .....    | 1113  |
| Miles covered by ambulance .....        | 13816 |
| Number of hours ambulance on road ..... | 1876  |
| Road accidents attended to .....        | —     |

### Denbigh.

|                        |      |
|------------------------|------|
| Mileage covered .....  | 2706 |
| Cases attended .....   | 230  |
| Patients removed ..... | 137  |
| Road accidents .....   | 6    |

### Oswestry.

During 1945, the Oswestry and District Ambulance dealt with 31 cases from Denbighshire.

The Ambulance has continued to be serviced by the nurses and male orderlies of the Oswestry St. John Ambulance Division as in the past, and a full 24 hour service has been given.



**Ruthin.**

The Ambulance conveyed 114 cases during the year, the total mileage run being 3,146. In addition when our Ambulance broke down the Denbigh Borough Ambulance kindly co-operated with us by attending to a further 25 cases. Numerous tributes were again received from patients as to the efficiency, kindness and courtesy of the Ambulance Personnel; tributes which are doubtlessly well-merited having regard to the labour entailed and the sacrifice of leisure involved.

Considerable progress has been made during the year towards obtaining a New Ambulance. The Committee were successful in purchasing a Humber Snipe Car suitable for conversion into an ambulance and the vehicle is now in course of being converted to the Committee's specifications. Delivery of the new ambulance is expected within the next few months.

**Arrangements for Conveying Maternity Cases.**

Arrangements have been made with the St. John Ambulance at Wrexham, Brymbo, etc., for the transport of maternity cases to and from Ruabon County Maternity Hospital and Gladwyn Maternity Home. The Ambulances are available during the day and night and each case is accompanied by a Registered Midwife.



TABLE VII. Hospital Accommodation.

| Name of Hospital                        | BEDS  |         |  | Child | Others | Total | Additional Beds     |
|---|-------|---------|--|-------|--------|-------|---------------------|
|   | Males | Females |  |       |        |       |                     |
| VOLUNTARY                               |       |         |  |       |        |       |                     |
| Wrexham War Memorial Hospital...        | 57    | 38      |  | 18    | 57     | 170   | E.M.S. Beds, 50.    |
| Colwyn Bay & West Denbighshire Hospital | 22    | 20      |  | 10    | 8      | 60    | Reserve Beds, 34.   |
| Denbighshire Infirmary, Denbigh ...     | 16    | 16      |  | 3     | 10     | 45    | F.M.S. Beds, 50.    |
| Chirk and District Cottage Hospital     | 12    | 13      |  | 2     | 5      | 32    |                     |
| Llangollen Cottage Hospital ...         | 4     | 6       |  | 4     | ...    | 14    | E.M.S. Beds, 15     |
|   | 111   | 93      |  | 37    | 80     | 321   |                     |
| PUBLIC ASSISTANCE                       |       |         |  |       |        |       |                     |
| Croesnewydd, Wrexham ...                | 74    | 74      |  | 36    | 3      | 187   | Annexe, 2.          |
| Ruthin ...                              | 16    | 21      |  | 4     | 2      | 43    | Plas Maelor, 424.   |
|   | 90    | 95      |  | 40    | 5      | 230   |                     |
| FEVER HOSPITALS                         |       |         |  |       |        |       |                     |
| Wrexham Joint Fever Hospital ...        | 39    | 40      |  | 16    | 10     | 105   |                     |
| Brynant Isolation Hospital, Colwyn Bay  |       |         |  |       |        | 31    |                     |
| St. Asaph Joint Isolation Hospital ...  |       |         |  |       |        | 87    |                     |
| Croesynyd Hospital, Conway ...          |       |         |  |       |        | 50    |                     |
| Small-pox Hospital (Rhydtalog) ...      |       |         |  |       |        | 12    |                     |
| Abergele Sanatorium ...                 | 52    | ...     |  | 189   | 10     | 251   | Emergency Beds, 30. |
|   |       |         |  |       |        | 536   |                     |
| COUNTY MATERNITY HOSPITAL.              |       |         |  |       |        |       |                     |
| Ruabon ...                              | ...   | 12      |  | ...   | ...    | 12    | Temporary Hospital. |
| Gladwyn Maternity Home ...              | ...   | 25      |  | ...   | ...    | 25    |                     |
| Colwyn Bay Borough Maternity Home ...   | ...   | 10      |  | ...   | ...    | 10    |                     |
|   | ...   | 47      |  | ...   | ...    | 47    |                     |

**TABLE VIII.**  
**Summary of Work of Health Visitors.**

| District  | No. of visits to children under 1 year | No. of visits to children 1-5 years | Expectant Mothers |              |
|---|--|-------------------------------------|-------------------|--------------|
|   |  |                                     | First Visits      | Total Visits |
| Rhos and Penrycae ... ..                                | 929                                    | 1270                                | 2                 | 2            |
| Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury ... | 488                                    | 1387                                | —                 | —            |
| Coedpoeth, Southsea, New Broughton                      | 684                                    | 1416                                | 1                 | 1            |
| Brynbo, Broughton, Summerhill                           | 877                                    | 1076                                | —                 | —            |
| Llay, Gresford, Rhosrobin                               | 1239                                   | 925                                 | —                 | —            |
| Llangollen and Cefn                                     | 753                                    | 2658                                | —                 | —            |
| Denbigh, Abergele and Aled Rural                        | 1173                                   | 1641                                | 3                 | 3            |
| Llanrwst Area   | 522                                    | 1181                                | —                 | —            |
| Llansilin, Chirk and Glynceiriog                        | 770                                    | 1238                                | —                 | —            |
| Rnthin Borough, Ruthin Rural and Cerrig                 | 864                                    | 1501                                | —                 | —            |
|   | 8299                                   | 14293                               | 6                 | 6            |

# THE ROBERT JONES AND AGNES HUNT ORTHOPÆDIC HOSPITAL.

RETURN showing the number of DENBIGHSHIRE (County) patients treated at Orthopædic Clinics during the year 1945, and the number of attendances made by such patients.

|  | On books<br>1/1/45. | Admitted<br>during<br>1945 | Total<br>treated. | Discharged<br>in<br>1945 | On books 31/12/45.   |                           | Attend-<br>ances. |
|--|---------------------|----------------------------|-------------------|--------------------------|----------------------|---------------------------|-------------------|
|  |                     |                            |                   |                          | Active<br>Treatment. | Appliance<br>Supervision. |                   |
| MATERNITY AND CHILD<br>WELFARE (0-5 years) ..... | 339                 | 162                        | 501               | 165                      | 336                  | —                         | 625               |
| SCHOOL MED. SERVICE<br>(5-16 years) .....        | 767                 | 300                        | 1067              | 247                      | 820                  | —                         | 1592              |
| VOL. ORTHO. ASSOCIATION<br>(16+ years) .....     | 545                 | 297                        | 842               | 338                      | 421                  | 83                        | 1306              |
| TOTALS .....                                     | 1651                | 759                        | 2410              | 750                      | 1577                 | 83                        | 3523              |

## IN-PATIENT TREATMENT.

|  |    |
|--|----|
| No. of patients in hospital 31/12/44 .....   | 7  |
| No. of patients admitted during 1945 .....   | 77 |
| No. of patients discharged during 1945 ..... | 74 |
| No. of patients in hospital 31/12/45 .....   | 10 |

## MENTAL DEFICIENCY ACTS.

|  | Males | Females | Total |
|--|-------|---------|-------|
| Number of defectives ascertained to be<br>"subject to be dealt with":— |       |         |       |
| Under "Order":—  |       |         |       |
| (a) (1) In Institutions (excl. cases on<br>Licence:—                   |       |         |       |
| Under 16 years of age .....  | 19    | 16      | 35    |
| Aged 16 years and over .....   | 21    | 82      | 103   |
| (2) On Licence from Institutions:                                      |       |         |       |
| Under 16 years of age .....  | 1     | —       | 1     |
| Aged 16 years and over .....   | —     | 3       | 3     |
| (b) (1) Under Guardianship (excl. cases<br>on Licence):                |       |         |       |
| Under 16 years of age .....  | —     | —       | —     |
| Aged 16 years and over .....   | 5     | 6       | 11    |
| (2) On Licence from Guardianship:                                      |       |         |       |
| Under 16 years of age .....  | —     | —       | —     |
| Aged 16 years and over .....   | —     | —       | —     |
| In places of safety:   |       |         |       |
| Under 16 years of age .....  | —     | —       | —     |
| Aged 16 years and over .....   | 1     | —       | 1     |
| No. of patients certified during 1945:                                 |       |         |       |
| Under 16 years of age .....  | —     | —       | —     |
| Over 16 years of age .....   | 1     | 2       | 3     |
| For Institutions .....   | 1     | 1       | 2     |
| For Guardianship .....   | —     | 1       | 1     |

## SUPPLY OF MIDWIVES.

|  | Domiciliary<br>Midwives | In<br>Institutions | Total |
|--|-------------------------|--------------------|-------|
| Employed by Local Supervising<br>Authority .....                                 | 5                       | 19                 | 24    |
| Employed by Voluntary Associa-<br>tions:—  |                         |                    |       |
| (1) Under arrangement<br>made with the Local<br>Supervising Author-<br>ity ..... | 46                      | —                  | 46    |
| (2) Others (Voluntary<br>Hospitals) .....  | —                       | 8                  | 8     |
| In Private Practice .....  | 18                      | —                  | 18    |
| Totals .....   | 69                      | 27                 | 96    |

## MIDWIFERY SERVICE.

### Particulars of Cases Attended by Domiciliary Midwives.

|   | By Salaried<br>Midwives and<br>District Midwives | By<br>Independent<br>Midwives |
|---|--|-------------------------------|
| No. of times Medical Aid sent:—         |  |                               |
| (a) during pregnancy .....              | 38   | 6                             |
| (b) during labour .....                 | 158  | 32                            |
| (c) during puerperium .....             | 29   | 10                            |
| (d) for infants .....                   | 43   | 1                             |
| No. of still-births notified .....      | 13   | 8                             |
| No. of forceps deliveries .....         | 35   | 42                            |
| No. of deaths of infants, 1 month ..... | 16   | 5                             |
| No. of maternal deaths .....            | 4  | —                             |
| No. of maternity cases .....            | 123  | 46                            |

### CHILD LIFE PROTECTION.

|  |    |
|--|----|
| No. of persons who were receiving children for<br>reward during the year ..... | 18 |
| No. of children at the end of the year .....                                   | 24 |
| No. of children who died during the year .....                                 | —  |

### HOME HELPS.

|   |    |
|---|----|
| No. of Home Helps engaged during the year ... | 3  |
| No. of cases attended .....                   | 20 |

### AFTER-CARE OF TUBERCULOSIS PATIENTS.

|   |           |
|---|-----------|
| No. of cases receiving assistance under the<br>County After-Care Scheme ..... | 55        |
| Total cost of grants in 1945 .....  | £1219 4 7 |

### MIDWIVES ACT, 1918—SECT. 14.

|   |          |
|---|----------|
| No. of patients for whom medical aid was<br>summoned by a certified midwife ..... | 317      |
| Total amount of medical claims .....  | £446 8 6 |

### SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 33,787 lb. packets (dried milk).

### OPHTHALMIA NEONATORUM.

8 cases of Ophthalmia Neonatorum were notified during the year with the following results:—

|                                    |   |
|------------------------------------|---|
| Vision unimpaired .....            | 8 |
| Patients removed from County ..... | — |
| Patient died .....                 | — |

TABLE IX.

## Maternity and Child Welfare.

The following table furnishes information for 1945 with regard to the Maternity and Child Welfare Centres established in the County:—

| Address                              | Whether Sessions<br>are held weekly<br>or fortnightly | Day and Time<br>of Meeting | Average attendance<br>per session<br>(Children). | Number of Children<br>who attended for<br>the first time. | Present<br>arrange-<br>ments<br>for Medi-<br>cal Super-<br>vision |
|--------------------------------------|---|----------------------------|--|---|---|
| Southsea, Church Institute .....     | Fortnightly   | Monday a.m.                | 42   | 64  | Assistant<br>Med. Officer   |
| Coedpoeth, Penygelli Schools .....   | "   | Monday p.m.                | 54   | 80  | "   |
| Llay, Presbyterian Chapel .....      | "   | Monday p.m.                | 61   | 88  | "   |
| Cefn, County Clinic .....            | Weekly  | Monday p.m.                | 65   | 282   | "   |
| Glan C'way, Church Institute .....   | Fortnightly   | Monday p.m.                | 21   | 33  | "   |
| Brymbo, Council School .....         | "   | Tuesday a.m.               | 29   | 59  | "   |
| Broughton, Congregational Chapel ..  | "   | Tuesday p.m.               | 36   | 82  | "   |
| Ruthin, Baptist Chapel .....         | "   | Tuesday p.m.               | 57   | 97  | "   |
| Glynceiriog, Ceiriog Institute ..... | "   | Tuesday p.m.               | 14   | 27  | "   |
| Rhosrobin, County Clinic .....       | "   | Wednesday a.m.             | 52   | 89  | "   |
| Rhos, Plas-yn-Rhos .....             | Weekly  | Wednesday p.m.             | 62   | 215   | "   |
| Llanrwst, Watling Street .....       | Fortnightly   | Wednesday p.m.             | 24   | 54  | "   |
| Llangollen, Welfare House .....      | "   | Wednesday p.m.             | 35   | 64  | "   |
| Denbigh, County Clinic .....         | "   | Wednesday p.m.             | 64   | 149   | "   |
| Rhostyllen, Council School .....     | "   | Wednesday a.m.             | 28   | 53  | "   |
| C'drudion, Presbyterian Chapel ..... | "   | Wednesday a.m.             | 7  | 16  | "   |
| Abergele, Church House .....         | "   | Thursday p.m.              | 51   | 114   | "   |
| Chirk, The Mount .....               | "   | Thursday p.m.              | 32   | 57  | "   |



## ANNUAL REPORT OF COUNTY OBSTETRICIAN.

### 1. Clinics.

|                       |      |
|-----------------------|------|
| New attendances ..... | 1372 |
| Re-examinations ..... | 4145 |

Post-natal clinics could not be held separately owing to the lack of medical assistance. Some were seen at the Ante-natal Clinics and many were examined by me at the Gynaecological Out-patients at the various hospitals. There were post-natal cases with some definite complaint, which might require operative treatment. There is need for routine post-natal prophylactic examinations which could be done by an Assistant, and referred, if requiring special treatment. With the present domestic difficulties, waste of time in queues, etc., it will take time to get the mothers into the habit of routine attendance.

### 2. Ruabon Maternity Hospital.

|                  |     |
|------------------|-----|
| Admissions ..... | 237 |
| Births .....     | 225 |

3. **Gerwyn Hall Maternity Home** was closed in September, 1945, and **Gladwyn** made into temporary substitute accommodation. There were 330 births at the two Homes.

It is worth recording that in 1,771 total births at Gerwyn and Gladwyn, there was only one maternal death. All but 10 of these I examined ante-natally. This supervision, combined with the rigid rule of non-interference and analgesia, has been well justified, and is being continued at Gladwyn.

Every patient, where possible, unless there were medical contra-indications, was given some form of analgesia (alleviation of pain) in labour. A specific drug is administered at a certain stage in labour followed by gas and air. This contributed to the very low still-birth rate and the minimal instrumental deliveries.

The still-birth rate was 21 per 1000, the forceps deliveries being 1·7 per cent.

The maternal mortality rate was 56 per 1000 total births.

#### 4. **Maternal Deaths Comment.**

Of the 7 deaths, 4 had not been attending Clinics. Two of the ante-natal cases would have had a far better chance of survival had they been in a modern maternity hospital.

It is significant that of the 7, 3 suffered from toxæmia of pregnancy and one of pre-existing renal disease.

R. OWEN JONES, F.R.C.S.

### **DENTAL SERVICE.**

#### **Report of Mr. J. G. Roberts, L.D.S., County Dental Surgeon.**

(For period 15th September to 31st December, 1945).

|                                       |     |
|---------------------------------------|-----|
| Total attendances for treatment ..... | 218 |
| No. of patients examined .....        | 79  |
| No. found to require treatment .....  | 79  |

#### **Extractions.**

|                       |     |
|-----------------------|-----|
| No. of patients ..... | 39  |
| No. of teeth .....    | 507 |

#### **Fillings.**

|                                 |   |
|---------------------------------|---|
| No. of patients .....           | 3 |
| No. of fillings .....           | 7 |
| Scaling and Gum Treatment ..... | 7 |

#### **Dentures Supplied.**

|                           |    |
|---------------------------|----|
| Upper .....               | 35 |
| Lower .....               | 30 |
| Remakes and repairs ..... | 5  |



## ANNUAL REPORT OF THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FOR THE YEAR ENDING DECEMBER 31st, 1945.

At December 31st, 1945, there were 419 Registered Blind Persons which included 19 Evacuees in the County of Denbigh. Those Evacuees, who were billeted at Plas Darland, returned home during the year. The five Home Teachers visit the Blind at regular intervals and attend to their needs, 137 applications for Necessitous Grants were sanctioned and paid for out of the Society's General Charity Fund, a decrease of 7 on the previous year, but the cost to the Society was greater.

Library Books in Braille and Moon embossed type are despatched regularly to Blind readers every Friday, the Society paying postage both ways. Various Handicrafts are taught by the Home Teachers. It is pleasing to note that Mrs. Edwards, the Home Teacher, secured her certificate from the National College of Teachers.

The Society continue to issue White Sticks on receipt of application, the White Stick being essential to a Blind Person.

Wireless Sets, both Battery and Electric, are in great demand, and the Society, with the valuable assistance rendered by the British "Wireless for the Blind" Fund, is able to supply the demand, but the supply of high tension batteries, accumulators and other wireless accessories continue to be in short supply. Again the Society has undertaken to bear the cost of maintenance, also half cost of batteries and accumulators.

Christmas Gifts were again given on the same basis as the previous year, i.e., the Society granting 10/- to each Registered Blind Person in the Area, and the County Council granting a smaller sum to each Blind Person in receipt of Domiciliary Assistance. In addition the County Council granted a coal allowance of 3/6 per week for a period of six months to those Blind Persons in receipt of Domiciliary Assistance and who were householders. 267 Blind Persons including 14 Evacuees were in receipt of the Domiciliary Assistance, the cost for the period April 1st, 1945, to December 31st, 1945, to the Council being £9,101. Postages and Poundage amounted to £73 8s. 5d. These payments meant that a total number of 3,793 Postal Orders and 892 cheques were despatched from the office of the North Wales Society.

Medical Aid and Necessitous Grants granted by the County Council cost £108.

The Crosville Bus Company very kindly issued approximately 130 Bus Vouchers at the low charge of 2/6 per annum. These Bus Vouchers enable the holder to travel within a radius of 12 miles from home.

Flag Days and House-to-House Collections are held yearly in various town and villages, from which a fair amount of revenue is derived.

The position regarding East Denbighshire remains the same, the National Institute for the Blind, under an agreement with the North Wales Society carry out the work of organising Flag Days and the various ways of raising funds, but the welfare of the Blind is carried out entirely by the Society. In the Wrexham Area, Teas and Social gatherings are still being held.

A great many Blind Persons from Denbighshire spent an enjoyable holiday at the Llys Onnen Home, Abergele. There are three Permanent Residents. In view of the popularity of the Home, extensive extensions are being considered.

In Denbighshire there are 9 Home Workers and a number of Pastime Workers. Materials are still difficult to obtain.

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## MEDICAL AND DENTAL TREATMENT

### (Necessitous Cases).

|   |     |
|---|-----|
| Total number referred to Medical Practitioners and accepted on their Panels ..... | 184 |
| Number of Blind Persons supplied with Dentures free of cost .....                 | 1   |

## ANNUAL REPORT OF COUNTY ALMONER, 1945.

---

### Tuberculosis.

|   |      |
|---|------|
| No. receiving maintenance allowance under Scheme 266/T on 1st January, 1945 .....   | 43   |
| No. receiving maintenance allowance under Scheme 266/T on 31st December, 1945 ..... | 56   |
| No. receiving after-care assistance on 1st January, 1945 .....                      | 39   |
| No. receiving after-care assistance on 31st December, 1945 .....                    | 49   |
| No. of Clinics attended by Almoner .....  | 148  |
| No. of interviews at Clinics .....  | 1044 |
| No. of home visits .....  | 504  |

Both patients and their contacts have been encouraged to attend for regular examination. Assistance has also been given to relieve patients of financial worry, and to provide them with adequate comfort during their illness, and help has also been given them, to adapt their lives, when necessary, after treatment. Clothing, bedding and invalid furniture have been lent or given, doctors' bills paid, fares and pocket-money provided, transport obtained, and billets and training courses arranged, for individual cases.

### Venereal Diseases.

|   |      |
|---|------|
| Clinics attended .....  | 47   |
| Interviews at Clinics .....   | 1042 |
| Home visits for purpose of contact tracing under Regulation 33B ..... | 4    |
| Home visits for purpose of following up defaulters .....              | 65   |

General assistance has also been given to patients who, in several cases have been referred to the Moral Welfare worker for special confinement arrangements, and care of the child. Transport has also been provided and fares furnished in other instances.

**TABLE X. (a). Cancer.**

The following table gives the deaths and death rates from all causes of Cancer according to Sanitary Districts:—

| Districts.              | Deaths. |          |        | Rate per<br>1000<br>Population. |
|-------------------------|---------|----------|--------|---------------------------------|
|                         | Males.  | Females. | Total. |                                 |
| <b>Urban Districts.</b> |         |          |        |                                 |
| Abergele .....          | 8       | 8        | 16     | 2.2                             |
| Colwyn Bay .....        | 20      | 50       | 70     | 2.9                             |
| Denbigh .....           | 9       | 13       | 22     | 2.6                             |
| Llangollen .....        | 1       | 6        | 7      | 2.2                             |
| Llanrwst .....          | 2       | 3        | 5      | 1.9                             |
| Ruthin .....            | 4       | 7        | 11     | 3.1                             |
| Wrexham .....           | 14      | 30       | 44     | 1.7                             |
| <b>Rural Districts.</b> |         |          |        |                                 |
| Aled .....              | 5       | 6        | 11     | 1.6                             |
| Ceiriog .....           | 6       | 6        | 12     | 1.9                             |
| Hiraethog .....         | 9       | 11       | 20     | 3.8                             |
| Ruthin .....            | 10      | 15       | 25     | 2.5                             |
| Wrexham .....           | 54      | 48       | 102    | 1.7                             |
|                         | 142     | 203      | 345    | 2.2                             |

**TABLE X. (b). Cancer—Age and Sex Distribution.**

| Age Group.           | Urban. |     |        | Rural. |     |        | Grand Total. |     |        |
|----------------------|--------|-----|--------|--------|-----|--------|--------------|-----|--------|
|                      | M.     | F.  | Total. | M.     | F.  | Total. | M.           | F.  | Total. |
| Under 1 year .....   | ...    | ... | ...    | ...    | ... | ...    | ...          | ... | ...    |
| 1—5 years .....      | ...    | 1   | 1      | ...    | ... | ...    | ...          | 1   | 1      |
| 5—15 years .....     | ...    | ... | ...    | ...    | ... | ...    | ...          | ... | ...    |
| 15—45 years .....    | 3      | 7   | 10     | 1      | 9   | 10     | 4            | 16  | 20     |
| 45—65 years .....    | 22     | 44  | 66     | 39     | 37  | 76     | 61           | 81  | 142    |
| 65 and upwards ..... | 33     | 65  | 98     | 44     | 40  | 84     | 77           | 105 | 182    |
|                      | 58     | 117 | 175    | 84     | 86  | 170    | 142          | 203 | 345    |

# CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE, MANCHESTER.

|                    |     |
|--------------------|-----|
| In-patients .....  | 67  |
| Out-patients ..... | 155 |

## LIVERPOOL RADIUM INSTITUTE.

|                    |    |
|--------------------|----|
| In-patients .....  | 10 |
| Out-patients ..... | 7  |

## WREXHAM AND EAST DENBIGHSHIRE MEMORIAL HOSPITAL.

Cases referred through the Radium Clinic under the Service provided by the Holt Radium Institute, Manchester.

No. of cases referred during 1945 by:—

|                                  |       |
|----------------------------------|-------|
| Wrexham Clinic .....             | 61    |
| Wrexham Emergency Hospital ..... | 43    |
|                                  | — 104 |

Of these:—

|  |    |
|--|----|
| Treated in Wrexham .....                         | —  |
| Treated as In-patients, Radium Annexe, Bury ...  | 9  |
| Treated as In-patients, Christie Hospital .....  | 20 |
| Treated as Out-patients, Christie Hospital ..... | 20 |

Treated partly as:—

|   |       |
|---|-------|
| In-patients, Radium Annexe, Bury, and<br>In-patients, Christie Hospital ..... | 1     |
| Cases not treated .....   | 54    |
|   | — 104 |

N.B.—In addition to the 104 new cases stated above, 5 Service cases were seen at the Wrexham E.M.S. Hospital (1 treated; 4 not treated). These, not being resident in Denbighshire, are not included.

No. of patients referred from Wrexham Clinic in previous years and re-treated in 1945:—

|  |      |
|--|------|
| Treated as In-patients, Radium Annexe, Bury ...                                | 1    |
| Treated as In-patients, Christie Hospital .....                                | 3    |
| Treated as Out-patients, Christie Hospital .....                               | 6    |
| Treated partly as In-patients, partly as Out-patients, Christie Hospital ..... | 1    |
|  | — 11 |
| Total No. of attendances at Wrexham Clinic,<br>old and new patients .....      | 734  |

# TABLE SHOWING COMPARISON WITH PREVIOUS YEARS.

|                          | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|--------------------------|------|------|------|------|------|------|------|------|------|
| New patients:            |      |      |      |      |      |      |      |      |      |
| Treated .....            | —    | 25   | —    | 26   | 45   | 52   | 56   | 72   | 50   |
| Not treated .            | —    | 17   | —    | 32   | 37   | 48   | 41   | 46   | 54   |
|                          | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| Totals ...               | 21   | 42   | 66   | 58   | 82   | 100  | 97   | 118  | 104  |
|                          | —    | —    | —    | —    | —    | —    | —    | —    | —    |
| Examinations:            |      |      |      |      |      |      |      |      |      |
| Old patients             | 148  | 178  | 263  | 255  | 338  | 421  | 571  | 662  | 630  |
| Total examinations:      |      |      |      |      |      |      |      |      |      |
| Old and new patients ... | 169  | 220  | 329  | 313  | 420  | 521  | 668  | 780  | 734  |

## WREXHAM EMERGENCY HOSPITAL.

|   |    |
|---|----|
| Total number of patients treated .....                        | 61 |
| Total number of patients treated (Croesnewydd Hospital) ..... | 21 |

## DENBIGH INFIRMARY.

|   |    |
|---|----|
| Number of malignant cases treated ..... | 18 |
|---|----|

## COLWYN BAY AND WEST DENBIGHSHIRE HOSPITAL.

|  |    |
|--|----|
| Total number of patients treated ..... | 12 |
|--|----|

## THE CHESTER ROYAL INFIRMARY.

| No. of Patients. | Diagnosis.      |
|------------------|-----------------|
| 1                | Carc. of Breast |
| 1                | Carc. of Breast |
| 1                | Carc. of Colon  |
| 1                | Carc. of Rectum |
| 1                | Carc. of Colon  |

## CAERNARVONSHIRE AND ANGLESEY INFIRMARY.

|                         |            |
|-------------------------|------------|
| One Carcinoma of Cervix | } Admitted |
| One Carcinoma of Breast |            |

|  |  |
|--|--|
| One Secondaries in Skin following old Carcinoma of Breast—1941 | } Attended as Out-patient for Deep X-Ray Therapy |
|--|--|



TABLE XI.  
Public Health (Tuberculosis) Regulations, 1924.

| District      | No. of cases of Tuberculosis on Register at the commencement of the year. |               | No. of cases notified for the first time under Regulations, 1912, during year. |               | No. of cases removed from the Register during the year. |               | No. of cases remaining on the Register at the end of the year. |               |
|---------------|---|---------------|--|---------------|---|---------------|--|---------------|
|               | Pulmonary   | Non-Pulmonary | Pulmonary  | Non-Pulmonary | Pulmonary   | Non-Pulmonary | Pulmonary  | Non-Pulmonary |
| Abergele.     | 26  | 9             | ...  | ...           | 1   | ...           | 25   | 9             |
| Females ..... | 34  | 7             | 5  | 1             | 2   | ...           | 37   | 8             |
| Aled.         | 49  | 27            | 5  | ...           | ...   | ...           | 54   | 27            |
| Males .....   | 60  | 23            | 4  | 1             | 2   | ...           | 62   | 24            |
| Females ..... | 38  | 10            | 2  | ...           | ...   | ...           | 40   | 10            |
| Ceiriog.      | 24  | 10            | 1  | 1             | 1   | ...           | 24   | 11            |
| Females ..... | 103   | 44            | 11   | 1             | 4   | 1             | 110  | 44            |
| Males .....   | 106   | 54            | 14   | ...           | 9   | ...           | 111  | 54            |
| Colwyn Bay.   | 19  | 13            | 4  | 2             | ...   | ...           | 23   | 15            |
| Females ..... | 36  | 8             | 9  | ...           | 3   | ...           | 42   | 8             |
| Denbigh.      | 20  | 13            | 1  | 1             | ...   | ...           | 21   | 14            |
| Females ..... | 24  | 10            | 2  | 1             | 2   | ...           | 24   | 11            |
| Hiracthog     |   |               |  |               |   |               |  |               |
| Males .....   |   |               |  |               |   |               |  |               |
| Females ..... |   |               |  |               |   |               |  |               |

## Public Health (Tuberculosis) Regulations, 1924.—(Continued).

| District          | No. of cases of Tuberculosis on Register at the commencement of the year. |               | No. of cases notified for the first time under Regulations, 1912, during year. |               | No. of cases removed from the Register during the year. |               | No. of cases remaining on the Register at the end of the year. |               |
|-------------------|---|---------------|--|---------------|---|---------------|--|---------------|
|                   | Pulmonary   | Non-Pulmonary | Pulmonary  | Non-Pulmonary | Pulmonary   | Non-Pulmonary | Pulmonary  | Non-Pulmonary |
| Llangollen Urban. | 8   | 1             | 1  | 2             | 1   |               | 8  | 2             |
| Females .....     | 11  | 2             | 3  | ...           | 1   |               | 14   | 1             |
| Llanrwst Urban.   | 18  | 8             | 5  | ...           | 1   |               | 23   | 8             |
| Females .....     | 7   | 7             | 3  | ...           | ...   |               | 10   | 7             |
| Ruthin Borough.   | 8   | 5             | 4  | ...           | ...   |               | 7  | 1             |
| Females .....     | 16  | 3             | 5  | ...           | ...   |               | 14   | 2             |
| Ruthin Rural      | 28  | 9             | 6  | ...           | ...   |               | 31   | 9             |
| Females .....     | 53  | 19            | 12   | 1             | ...   |               | 61   | 20            |
| Wrexham Borough.  | 158   | 79            | 30   | 6             | ...   |               | 180  | 84            |
| Females .....     | 120   | 48            | 18   | 6             | ...   |               | 132  | 54            |
| Wrexham Rural.    | 267   | 149           | 38   | 9             | ...   |               | 295  | 157           |
| Females .....     | 230   | 108           | 30   | 5             | ...   |               | 245  | 112           |
| Totals .....      | 1463  | 666           | 213  | 37            | 83  | 11            | 1593   | 692           |



**TABLE XII.**  
**Public Health (Tuberculosis) Regulations, 1930.**

## Part I.

Summary of notifications during the period from the 1st January, 1945, to the 31st December, 1945, in the area of the County of Denbigh.

|                            | FORMAL NOTIFICATIONS.   |    |    |     |     |     |     |     |     |     |     |       | Total<br>Notifica-<br>tions |
|----------------------------|---|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------------------------|
|                            | Number of Primary Notifications of new cases of Tuberculosis. |    |    |     |     |     |     |     |     |     |     |       |                             |
| Age Groups.....            | 0—  | 1— | 5— | 10— | 15— | 20— | 25— | 35— | 45— | 55— | 65— | Total |                             |
| Pulmonary Males.....       | ...   | 5  | 4  | 6   | 7   | 11  | 25  | 17  | 10  | 11  | 5   | 101   |                             |
| Pulmonary Females.....     | ...   | 6  | 4  | 4   | 13  | 22  | 23  | 16  | 2   | 3   | 4   | 97    |                             |
| Non-Pulmonary Males.....   | 1   | 5  | 1  | 3   | 4   | 1   | 2   | 1   | ... | ... | ... | 18    |                             |
| Non-Pulmonary Females..... | ...   | 1  | 2  | 2   | 2   | 2   | 2   | 2   | 1   | ... | ... | 14    |                             |

## Part II.

## Supplemental Return.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above mentioned period, OTHERWISE than by formal notification.

[illegible]

The source or sources from which information as to the foregoing mentioned cases were obtained are given below:—

| Source of Information                            | No. of Cases |               |
|--|--------------|---------------|
|  | Pulmonary    | Non-Pulmonary |
| Death Returns:—                                  |              |               |
| From Local Registrars .....                      | ...          | ...           |
| Transferable deaths from Registrar General ..... | ...          | ...           |
| Posthumous Notifications .....                   | ...          | ...           |
| "Transfers" from other areas other than .....    | ...          | ...           |
| Transferable Deaths .....                        | ...          | ...           |
| Other sources, if any (specify) .....            | ...          | ...           |



## REPORT OF J. H. WYNNE, COUNTY VETERINARY OFFICER.

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### 1. Diseases of Animals Acts and Orders.

The quarter reports of the Divisional Inspector, Ministry of Agriculture, show the total number of scheduled notifiable diseases of animals to be:—

|                    |                    |
|--------------------|--------------------|
| Sheep Scab .....   | 20 confirmed cases |
| Tuberculosis ..... | 77 confirmed cases |
| Swine Fever .....  | 1 confirmed case   |

No other notifiable disease (confirmed) during the year which is very gratifying, and Sheep Scab dropped from 50 cases the previous year, while Tuberculosis has risen from 70 in 1944 to 77.

### 2. Milk and Dairies Acts and Orders.

165 "Tuberculin Tested" licences were issued during the year (increase of 48 since end of 1944) and 445 Accredited licences (decrease of 27, mainly due to owners transferring to Tuberculin Tested herds).

### 3. Clinical Inspection of Dairy Cattle.

(a) Tuberculin Tested herds, 6,514 cattle examined, none of which were slaughtered under the Tuberculosis Order.

(b) Accredited herds, 26,231 cattle examined; 24 were slaughtered under the Order.

(c) Non-designated herds, 31,550 cattle examined; resulting in the slaughter of 16 under the Order.

### 4. Mastitis.

Total number of cases certified 647; 369 were "marked" and 278 were "slight" cases.

### 5. Tuberculin Testing of herds licenced to produce "Tuberculin Tested" and Certified Milk.

6,410 cattle tested; 41 re-actors.

## 6. Tuberculous Milk.—Veterinary Investigation:—

|  |   |
|--|---|
| No. of investigations not completed at the end of 1944 ..... | 1 |
| No. of initial reports from Medical Officers of Health ..... | 7 |
| No. of herds involved .....                                  | 8 |
| No. of cases of Tuberculosis of the Udder found .....        | 6 |
| No. of investigations not completed at the end of 1945 ..... | 2 |

## 7. Tuberculosis (Attested Herds) Scheme.

|                               |     |
|-------------------------------|-----|
| No. of Attested Herds .....   | 273 |
| No. of Supervised Herds ..... | 10  |

## Re-construction of Cowsheds and Piped Water Supply.

Much work is being carried out by me in advising owners and occupiers (at their request) how to reconstruct cowsheds, and other necessary alterations to render the farms suitable for milk production under the Milk (Special Designations) Orders, in addition to inspection and reporting to the County Medical Officer of Health when applications for licences are received.

Also the National Milk Testing and Advisory Scheme involves considerable visiting when the licenced milk producers send to the Creameries milk of low keeping quality.

J. H. WYNNE.

# FOOD AND DRUGS ACT, 1938.

## Annual Report for the year ended 31st December, 1945.

To the Chairman and Members of the Public Health Committee.

Ladies and Gentlemen,

I beg to report that during the year ended 31st December, 1945, 427 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, the particulars being as follows:—

| Article                           | No.<br>taken | Result of Analysis |          |         |                                    |
|-----------------------------------|--------------|--------------------|----------|---------|------------------------------------|
|                                   |              | Formal             | Informal | Genuine | Not genuine<br>or sub-<br>standard |
| Milk :                            |              |                    |          |         |                                    |
| Retail .....                      | 248          | 248                | —        | 189     | 59                                 |
| On delivery .....                 | 23           | 23                 | —        | 14      | 9                                  |
| Appeal-to-Cow ..                  | 16           | 16                 | —        | 12      | 4                                  |
| Jam .....                         | 15           | —                  | 15       | 15      | —                                  |
| Tinned Fish .....                 | 4            | —                  | 4        | 4       | —                                  |
| Cheese .....                      | 3            | —                  | 3        | 3       | —                                  |
| Butter .....                      | 22           | —                  | 22       | 22      | —                                  |
| Sweet Spirit of Nitre             | 1            | —                  | 1        | —       | 1                                  |
| Beer .....                        | 3            | —                  | 3        | 3       | —                                  |
| Pepper .....                      | 2            | —                  | 2        | 2       | —                                  |
| Golden Raising Pow-<br>der .....  | 1            | —                  | 1        | 1       | —                                  |
| Suet .....                        | 2            | —                  | 2        | 2       | —                                  |
| Lard .....                        | 2            | —                  | 2        | 2       | —                                  |
| Rice .....                        | 2            | —                  | 2        | 2       | —                                  |
| Cake and Pudding<br>Mixture ..... | 2            | —                  | 2        | 2       | —                                  |
| Potted Paste .....                | 3            | —                  | 3        | 3       | —                                  |
| Bread .....                       | 2            | —                  | 2        | 2       | —                                  |
| Marmalade .....                   | 1            | —                  | 1        | 1       | —                                  |
| Baking Powder .....               | 2            | —                  | 2        | 1       | 1                                  |
| Vinegar .....                     | 3            | —                  | 3        | 3       | —                                  |
| Soda Water .....                  | 1            | —                  | 1        | —       | 1                                  |
| Self-Raising Flour ...            | 2            | —                  | 2        | 2       | —                                  |
| Dried Milk .....                  | 3            | —                  | 3        | 3       | —                                  |
| Margarine .....                   | 2            | —                  | 2        | 2       | —                                  |

| Article                 | No.<br>taken | Formal | Informal | Result of Analysis |                                    |
|-------------------------|--------------|--------|----------|--------------------|------------------------------------|
|                         |              |        |          | Genuine            | Not genuine<br>or sub-<br>standard |
| Gin .....               | 2            | —      | 2        | 2                  | —                                  |
| Tonic Wine .....        | 2            | 1      | 1        | 2                  | —                                  |
| Custard Powder .....    | 4            | —      | 4        | 4                  | —                                  |
| Coffee .....            | 2            | —      | 2        | 2                  | —                                  |
| Condensed Milk .....    | 3            | —      | 3        | 3                  | —                                  |
| Mustard .....           | 2            | —      | 2        | 2                  | —                                  |
| Sausages .....          | 14           | —      | 14       | 13                 | 1                                  |
| Tinned Beans .....      | 3            | —      | 3        | 3                  | —                                  |
| Semolina .....          | 1            | —      | 1        | 1                  | —                                  |
| British Wine .....      | 2            | 2      | —        | 1                  | 1                                  |
| Sugar .....             | 1            | —      | 1        | 1                  | —                                  |
| Tea .....               | 1            | —      | 1        | 1                  | —                                  |
| Cocoa .....             | 1            | —      | 1        | 1                  | —                                  |
| Rum .....               | 2            | 1      | 1        | 1                  | 1                                  |
| Saccharin Tablets ..... | 3            | —      | 3        | 3                  | —                                  |
| Sweets .....            | 1            | —      | 1        | 1                  | —                                  |
| Ice Cream .....         | 6            | —      | 6        | 6                  | —                                  |
| Cake Flour .....        | 2            | —      | 2        | 2                  | —                                  |
| Tinned Peas .....       | 2            | —      | 2        | 2                  | —                                  |
| Syrup .....             | 1            | —      | 1        | 1                  | —                                  |
| Ground Ginger .....     | 1            | —      | 1        | 1                  | —                                  |
| Ground Cinnamon ....    | 1            | —      | 1        | 1                  | —                                  |
| Mixed Spice .....       | 1            | —      | 1        | 1                  | —                                  |
| Minced Meat .....       | 2            | —      | 2        | 2                  | —                                  |
| Honey .....             | 1            | —      | 1        | 1                  | —                                  |
| Whisky .....            | 1            | —      | 1        | 1                  | —                                  |
| Totals .....            | 427          | 291    | 136      | 349                | 78                                 |

The average percentages of fat and solids-not-fat contained in the milk sampled during the year were:—

|  | Fat   | Solids-not-Fat |
|--|-------|----------------|
| Eastern Division .....                     | 3.45% | 8.62%          |
| Western Division .....                     | 3.74% | 8.67%          |
| Whole County .....                         | 3.56% | 8.64%          |
| The Legal Presumptive<br>Standard is ..... | 3.00% | 8.50%          |



In addition to the above-mentioned samples of milk submitted to the Public Analyst, 67 informal samples of milk were tested at the Wrexham and Colwyn Bay offices on behalf of farmers and dairymen and for preliminary information.

The milk supplied to the Children's Homes, Public Assistance Institutions, Schools and certain Hospitals in the County was also periodically examined.

As will be observed from the above Table, 59 retail and 9 on delivery samples of milk were certified by the Public Analyst as being "not genuine" by reason of failure to attain the standard of fat and solids-not-fat prescribed by the Sale of Milk Regulations. The major portion of these samples involved deficiencies too minute to justify any further action. In several instances cautions were administered and advice tendered, and in six cases, comprising two with serious deficiency of fatty solids, and four containing added water, the parties responsible were prosecuted and convicted.

An Informal sample of Sweet Solution of Nitre (War Formula) was deficient in Ethyl Nitrate to the extent of 74 per cent. The residual quantity in stock was insufficient to provide a formal sample, and the vendor was cautioned.

An informal sample of Soda Water was low in Sodium Bi-Carbonate, the amount present being one grain to the pint short of that required. This commodity will be kept under observation.

An informal sample of Rum contained 23 per cent. of added water, but a subsequent formal sample obtained from the same source proved to be genuine.

A formal sample of an article described as "British Wine" was 32 per cent. deficient in Proof Spirit and devoid of grape juice. The vendor was prosecuted and convicted.

An informal sample of Baking Powder was deficient in Carbon Dioxide to the extent of 16 per cent. This deficiency was probably due to damp storage. The vendor was advised and cautioned.



An informal sample of Sausage contained a small amount of Sulphur Dioxide, a permitted preservative. The amount of preservative present was well within the prescribed limit, but the requisite notice to this effect was not exhibited. As a first offender in this respect, the vendor has been cautioned.

All other samples were certified by the Public Analyst as being genuine and free from all prohibited preservatives and colouring matter.

The following are particulars of Prosecutions instituted under the Act, and completed during the year, viz.:—

| Article      |                               |              | Fine<br>£ s d | General<br>Costs<br>£ s d | Advocates<br>Fee<br>£ s d | Total<br>£ s d |
|--------------|-------------------------------|--------------|---------------|---------------------------|---------------------------|----------------|
| British Wine | Deficient in proof<br>spirits | Convicted    | 10 0 0        | 18 18 0                   | 5 5 0                     | 34 3 0         |
| Milk         | Added water                   | do.          | 1 0 0         | 1 8 6                     | 1 11 6                    | 4 0 0          |
| Milk         | do.                           | do.          | 1 0 0         | 1 8 6                     | 1 11 6                    | 4 0 0          |
| Milk         | do.                           | do.          | 10 0 0        | 3 17 11                   | 2 2 0                     | 15 19 11       |
| Milk         | do.                           | Dismissed    | —             | 1 8 6                     | 2 2 0                     | 3 10 6         |
| Milk         | Deficient in fat              | Convicted    | 1 0 0         | 1 8 6                     | 2 2 0                     | 4 10 6         |
| Milk         | do.                           | do.          | 2 0 0         | 2 2 9                     | 2 2 0                     | 6 4 9          |
|              |                               | Totals ..... | 25 0 0        | 30 12 8                   | 16 16 0                   | 72 8 8         |

I again have pleasure in recording my indebtedness to the Clerk of the Council for his learned advice and advocacy, services always generously placed at my disposal, and also to the Deputy Clerk for his valuable assistance throughout the year.

I have the honour to be,

Your obedient Servant,

D. WYNNE GRIFFITH,

Chief Inspector.

